**Year 7 CORE Revision List**

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| **Algebra** | simplify and write expressions |
| substitute into formulae |
| generate and find rule of a sequence |
| recognise and use the terms horizontal and vertical |
| plot co-ordinates in all 4 quadrants |
| plot and identify horizontal/vertical lines |
| interpret real life graphs: distance/time |
| use inequality signs |
| **Data** | find mean, median, mode, range |
| use words to describe probability |
| use a probability scale |
| list all the outcomes of a single event |
| express probability as a fraction |
| draw and interpret bar chart, tally chart, pie charts and pictograms |
| construct dual bar charts for comparing data |
| **Number** | Order and calculate with negative numbers |
| recognise multiples, factors and primes |
| Highest common factors and lowest common multiples |
| simplify ratio and fractions |
| Share an amount in a given ratio |
| convert decimals, percentages and fractions |
| calculate fractions of amounts |
| add/subtract fractions with common denominators |
| convert between the 12h and 24h clock |
| reading times: analogue and digital |
| finding time intervals and use a timetable |
| **Shape** | perimeter and area of rectangles and triangles |
| convert metric units |
| understand and use compass points |
| identify the different types of angles |
| estimate and measure angles |
| understand the properties of different types of triangles |
| calculate missing angles around a point, on a line, vertically opposite, in a triangle |
| name polygons and quadrilaterals |
| understand properties of regular polygons |
| name 3D solids |
| recognise and draw nets of solids |
| identify vertices/edges/faces of 3D solids |
| produce isometric drawing of solids |
| find the volume of a cuboid |
| calculate the surface area of cuboid |